

## 10-4 Space figures

SWBAT: Identify common Polyhedra and understand Terms and Definitions.

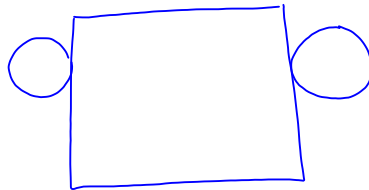
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Polyhedron - a space (3D) figure with polygons as faces.

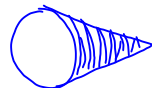
Prism - Polyhedron with 2 // bases that are  $\cong$  and sides that are parallelograms

Pyramid - has triangular side with a polygon base.

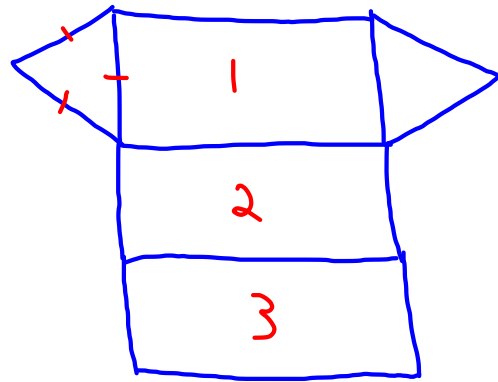
Cylinder - with Circles for bases.



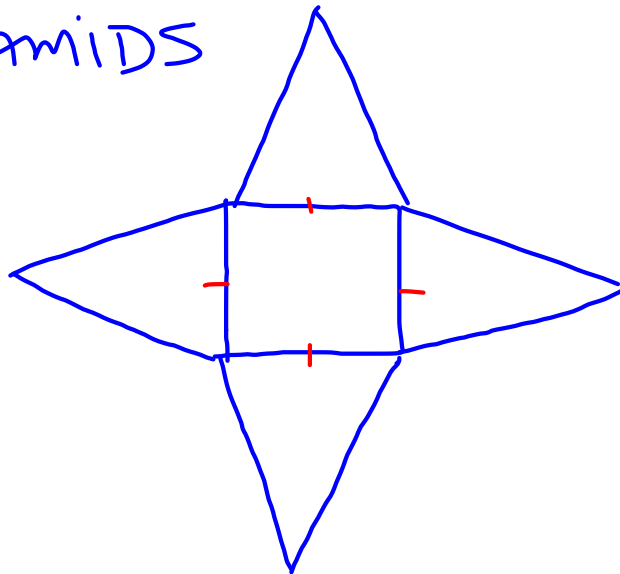
Cone is a Circular base with one vertex



Net - a diagram (Pattern)  
of a Space figure.



Pyramids



$$1.) \begin{array}{r} 11 \\ \times 4.3 \\ \hline 47.3 \text{ in}^2 \end{array}$$

$$2.) \begin{array}{r} 10 \\ 6.1 \\ \hline 61 \text{ m}^2 \end{array}$$

$$6 \quad 16 \quad 14 \quad \underline{\quad}$$

$$\frac{1}{2} \cdot 6 \cdot (16+14)$$

$$3 \cdot 30 = 90 \text{ cm}^2$$